

# Comparisons of Job Characteristics

**Focus Occupation:** [Welders, Cutters, Solderers, and Brazers \(51-4121\)](#)

**Associated Occupation:** [Helpers--Production Workers \(51-9198\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 68

**Focus Occupation:** Welders, Cutters, Solderers, and Brazers (51-4121)

**Associated Occupation:** Helpers--Production Workers (51-9198)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Production and Processing	6.0	4.7	6.4	>> Current knowledge level is likely more than sufficient
Food Production	2.1	1.9	1.5	< Expanded education and/or training may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 89

**Focus Occupation:** Welders, Cutters, Solderers, and Brazers (51-4121)

**Associated Occupation:** Helpers--Production Workers (51-9198)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Repairing	3.4	3.7	5.9	>> Skill level is likely more than sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Abilities

Similarity of Focus Occupation to Associated Occupation: 90

**Focus Occupation:** Welders, Cutters, Solderers, and Brazers (51-4121)

**Associated Occupation:** Helpers--Production Workers (51-9198)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Near Vision	11.1	10.6	11.2	0 Current ability level may be sufficient

Trunk Strength	5.7	10.2	7.4	<<	Extensive improvement in abilities may be required
Arm-Hand Steadiness	6.8	9.8	11.4	>	Current ability level is likely sufficient
Control Precision	6.6	9.7	9.5	0	Current ability level may be sufficient
Extent Flexibility	4.8	8.5	5.2	<<	Extensive improvement in abilities may be required
Stamina	4.0	6.8	5.1	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Activities that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 70

**Focus Occupation: Welders, Cutters, Solderers, and Brazers (51-4121)**  
**Associated Occupation: Helpers--Production Workers (51-9198)**

Work Activities	Exclusivity of Activity
Attach or mark identification onto products or containers	54
Examine products or work to verify conformance to specifications	15
Load or unload material or workpiece into machinery	34
Measure, weigh, or count products or materials	17
Mix paint, ingredients, or chemicals, according to specifications	35
Monitor production machinery/equipment operation to detect problems	27
Move or fit heavy objects	8
Operate hoist, winch, or hydraulic boom	34
Operate metal or plastic fabricating equipment/machinery	54
Read work order, instructions, formulas, or processing charts	9
Signal directions or warnings to coworkers	42

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: 81

**Focus Occupation: Welders, Cutters, Solderers, and Brazers (51-4121)**  
**Associated Occupation: Helpers--Production Workers (51-9198)**

Tools and Technologies	Exclusivity
Cleaning equipment	11
Computers	1
Content authoring and editing software	1
Cutting and crimping and punching tools	3
Data management and query software	1
Forming tools	2

Holding and clamping tools	3
Ladders and scaffolding	6
Lifting equipment and accessories	3
Measuring and layout tools	3
Pneumatic tools	8
Power tools	2
Rough and finishing tools	5
Wrenches and drivers	2

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.